

Directive concerning the storage of flammable liquids on premises

LEX 1.5.7

10 June 2013, Status as at 31th August 2018

The Direction of the Ecole polytechnique fédérale de Lausanne hereby adopts the following:

Section 1 Definition and guidelines

A flammable may be a pure substance or a mixture.

¹ Physical separation (in separate storage cabinets) according to chemical incompatibilities (see table in annex) must always be respected during storage¹.

² Items must be stored in ventilated cabinets of the EI90 type (*EN-14770-1 certified*).

³ All liquids must be stored in sealed containers.

⁴ These sealed containers must be stored in retention trays.

Article 1 Storage

¹ The storage of flammable liquid in non-ventilated premises is prohibited.

² In ventilated premises, flammable liquids must be stored in ventilated cabinets, in containers with a maximum volume of 3 litres.

³ A maximum quantity of 15 litres of flammable liquid is authorised outside of ventilated cabinets.

⁴ A maximum quantity of 100 litres of flammable liquid is authorised inside the laboratory's fire-resistant ventilated cabinets (metallic, chipboard).

⁵ A maximum quantity of 150 litres of flammable liquid is authorised inside fireproof ventilated cabinets of the EI90 type (*EN-14770-1 certified*).

Article 2 Waste

¹ Flammable chemical waste must be stored in a ventilated area.

² Waste containers must be taken to your School's chemical waste collection point at least once every two months, or when the containers reach 80% of their capacity.

Section 2 In case of accident

Article 3 Alarm

Call 115 (or 021.693.30.00 from a mobile telephone) immediately and gather information concerning the product or mixture that caused the accident.

¹ Cf. Directive sur les **Liquides inflammables. Entreposage et manipulation** (# 1825)
Cf Directive sur les **Laboratoires chimiques** (# 1871)
Cf **Material Safety Data Sheet**

Section 3 *Final provisions*

Article 4 **Entry into force**

The present directive entered into force on 10th June 2013. Version 1.3, status as at 31th August 2018.

On behalf of the EPFL Direction:

President:
Martin Vetterli

General Counsel:
Susan Killias

Annex: Table of chemical incompatibilities

		Oxidizing	Flammable	Corrosive: ACID	Corrosive: BASE	Health hazard / toxic
Oxidizing		Green	Red	Yellow	Yellow	Yellow
Flammable		Red	Green	Red	Red	Yellow
Corrosive: ACID		Yellow	Red	Green	Red	Red
Corrosive: BASE		Yellow	Red	Red	Green	Yellow
Health hazard / Toxic		Yellow	Yellow	Red	Yellow	Green

LEGEND

Not Compatible	Store according to SDS Section 7 and 10	Compatible
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Explosive chemicals and compressed gases can not be stored with any other chemicals

Separate liquids and solids

Chemicals that ONLY have these pictograms can be stored outside of the ventilated storage area.



In case of multiple hazard pictograms the following order should be considered

Note that two chemicals can have the same pictogram and still be incompatible!

Example: Acetic acid and triethylamine are both flammable, but cannot be stored together because they are an acid and a base.